

THE AMENDMENTS

IN THE CLAIMS

1. (Currently Amended) A method for the part purification of a desired protein from milk, ~~the method comprising the following steps: the transfer of protease enzyme which is present in the milk, into whey phase with the removal or partition of the desired protein into another phase of the milk.~~

- a) precipitating the desired protein from milk; and
- b) separating the precipitated desired protein from protease enzymes contained in whey and thereby recovering the part-purified protein.

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2. (Currently Amended) [A] The method of ~~as claimed in Claim 1,~~ wherein the desired protein is fibrinogen and the method is optionally followed ~~by a method step comprising~~ comprises the further steps of:

- (a) (c) contacting the part-purified fibrinogen with a hydrophobic interaction chromatography resin under conditions ~~where~~ wherein the fibrinogen binds to the resin; and
- (b) (d) removing the bound ~~protein~~ fibrinogen by means of elution.

3. (Currently Amended) ~~A The method of Claim 1, for the part purification of a desired protein from milk, the method comprising wherein the precipitation step, separation step, or both of the desired protein are achieved in the presence of lysine, or a lysine analogue, ϵ -aminocaproic acid, or a combination thereof. the precipitation of the desired protein is achieved in the presence of lysine, a lysine analogue.~~

4. (Cancelled).

5. (Currently Amended) A method for obtaining fibrinogen from a fluid, the method comprising:

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- (a) contacting the fluid with a hydrophobic interaction chromatography

C2 resin under conditions ~~where~~ wherein the fibrinogen binds to the resin; and

(b) removing the bound ~~protein~~ fibrinogen by means of elution.

6. - 8. (Cancelled).

C3 9. (Currently Amended) ~~A The method as claimed in of~~ Claim 1, wherein the protease enzyme is plasmin, ~~and/or plasminogen, or combination thereof.~~

10. (Cancelled).

11. (Cancelled).

12. (Currently Amended) ~~A The method ,as claimed in of~~ Claim 1, wherein the milk comprises whole milk, skimmed milk, or a milk fraction.

13. (Currently Amended) ~~A The method ,as claimed in of~~ Claim 1, wherein the milk is derived from a sheep, cow, goat, rabbit, camel, water buffalo, pig or horse.

C4 14. (Currently Amended) ~~A The method ,as claimed in of~~ Claim 13 ~~2,~~ wherein the ~~transgenic~~ fibrinogen is derived from transgenic bovine or human ~~derived~~.

15. (Currently Amended) ~~A The method as claimed in of~~ Claim 1, wherein the part-purified protein is further purified by repeating ~~the first step of each purification method~~ step (a), step (b) or both.

16 -23. (Cancelled).

24. (Previously Cancelled).

25. (Previously Cancelled).

26. (Cancelled).

27. (Cancelled).

28. (Previously Cancelled).

29. (Cancelled).

30. (New) The method of Claim 1, wherein steps (a) and (b) are performed simultaneously.

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31. (New) The method of Claim 1, wherein the milk is derived from a transgenic mammal.
